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*ngmiller*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

PIZZA et al.

For: **IMMUNOGENIC DETOXIFIED  
MUTANT E. COLI LT-A-TOXIN**

Serial No.: 09/528,682

Filed: March 20, 2000

Atty. Dkt No.: PP00342.105 (2302-0342.10)

) Examiner: M. Borin

) Art Unit: 1631

) Confirmation No.: 5794

) AMENDMENT UNDER 37 CFR §1.116

#17/c  
Lita  
11-24-02

BOX RCE  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

This paper is responsive to the Final Office Action mailed August 12, 2001 (Paper # 15) with a due date of November 12, 2002 and, therefore, this paper is timely filed. Reconsideration of the application is requested in view of the following remarks.

AMENDMENTS

IN THE CLAIMS

- C
7. (Twice Amended) A polynucleotide encoding an immunologically effective detoxified fragment of an *E. coli* heat labile toxin (LT-A) polypeptide, wherein
- (i) said fragment is at least 8 amino acids in length;
  - (ii) said fragment includes an amino acid residue at position 72, numbered relative to SEQ ID NO:1; and
  - (iii) said amino acid residue at position 72, numbered relative to SEQ ID NO:1, is an arginine residue.